

VPSU2000

PC/104-Plus Vehicle Power Supply



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The VPSU2000 is a versatile vehicle power supply unit for PC/104-Plus systems providing clean and filtered DC voltage rails to the PC/104 and PC/104-Plus Busses.



The VPSU2000 accepts a DC input voltage from +8V to 30V and provides +5V to the PC/104 and PC/104-Plus Busses. The VPSU2000 includes reverse voltage input protection and transient voltage protection whilst providing stable DC voltages to the PC/104-Plus system.

The wide input voltage range of the VPSU2000 allows PC/104-Plus systems to be powered from a wide variety of DC voltage sources including battery systems in cars, trucks and for marine and airborne applications.

PRELIMINARY INFORMATION (Rev A.00)

Subject to change without notification

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Wide DC Input

voltage range:

+8V to 30V



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Features

Wide DC Input range - from +8V to 30V

Input reverse voltage and transient protection

Outputs

+5V at up to 5A

Power to PC/104 and PC/104-Plus connectors

Compact 3.6" x 3.8" PC/104-Plus stackable card.

Input reverse
voltage
and transient
protection

Applications

Power supply for PC/104-Plus systems

Ground vehicle power supply

Airborne vehicle power supply

Medical Instrumentation

Remote Video Surveillance

Asset Monitoring

Traffic Monitoring and Control

Video Acquisition and Analytics

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DC Power Input

+8V to +30V DC Input
Line regulation better than 20mV

DC Input Protection

Over-voltage protection
Reverse Polarity Protection
Vehicle Load-Dump Protection

DC Power Outputs

Outputs to PC/104, PC/104-Plus Connectors
Efficiency up to 80%
+5V Output at 5A

Environmental

Operating temp 0°C to 60°C
Operating temp -40°C to +85°C (extended temp option)

Mechanical

Standard 3.6 x 3.8in PC/104-Plus form factor

Ordering Information

VPSU2000	PC/104-Plus Power Supply (0 to 60°C)
VPSU2000-EXT	PC/104-Plus Power Supply (-40°C to +85°C)

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